SEQUENCE LISTING

(1) GENERAL INFORMATION:

10   (i) APPLICANT: Jagannadha Sastry, et al.

(ii) TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR   ELICITING AN IMMUNE RESPONSE

15   (iii) NUMBER OF SEQUENCES: 7

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Arnold, White & Durkee

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(B) STREET: P.O. Box 4433

(C) CITY: Houston

25   (D) STATE: Texas

(E) COUNTRY: USA

(F) ZIP: 77210

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(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

35   (B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: WordPerfect 5.1

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(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: Unknown

45   (B) FILING DATE: September 16, 1992

(C) CLASSIFICATION: Unknown

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(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Parker, David L.

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(B) REGISTRATION NUMBER: 32,165

(C) REFERENCE/DOCKET NUMBER: UTSC:305/PAR

(ix) TELECOMMUNICATION INFORMATION:

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(A) TELEPHONE: 512-320-7200

(B) TELEFAX: 512-474-7577

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(C) TELEX: Not Applicable

(2) INFORMATION FOR SEQ ID NO:1:

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(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15 amino acids

(B) TYPE: amino acid

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(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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Arg Ile Gln Arg Gly Pro Gly Arg Ala Phe Val Thr Ile Gly Lys
1   5   10   15

(3) INFORMATION FOR SEQ ID NO:2:

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(i) SEQUENCE CHARACTERISTICS:

5   (A) LENGTH: 19 amino acids

           (B) TYPE: amino acid

           (C) STRANDEDNESS: single

10   (D) TOPOLOGY: linear

        (ii) MOLECULE TYPE: peptide

15   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Cys Arg Ile Lys Gln Ile Ile Asn Met Trp Gln Gly Val Gly Lys Ala
    1   5   10   15
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Met Tyr Ala

    (4) INFORMATION FOR SEQ ID NO:3:
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        (i) SEQUENCE CHARACTERISTICS:

           (A) LENGTH: 24 amino acids

30   (B) TYPE: amino acid

           (C) STRANDEDNESS: single

           (D) TOPOLOGY: linear

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        (ii) MOLECULE TYPE: peptide

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

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Asn Asn Thr Arg Lys Ser Ile Arg Ile Gln Arg Gly Pro Gly Arg Ala
    1   5   10   15

Phe Val Thr Ile Gly Lys Ile Gly
45   20

5   (5) INFORMATION FOR SEQ ID NO:4:

            (i) SEQUENCE CHARACTERISTICS:

                (A) LENGTH: 13 amino acids

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                (B) TYPE: amino acid

                (C) STRANDEDNESS: single

15   (D) TOPOLOGY: linear

            (ii) MOLECULE TYPE: peptide

            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

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        Glu Gln Leu Trp Val Thr Val Tyr Tyr Gly Val Pro Val
         1   5   10

5   (6) INFORMATION FOR SEQ ID NO:5:

           (i) SEQUENCE CHARACTERISTICS:

               (A) LENGTH: 8 amino acids
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               (B) TYPE: amino acid

               (C) STRANDEDNESS: single

15   (D) TOPOLOGY: linear

           (ii) MOLECULE TYPE: peptide

           (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
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       Arg Ala Phe Val Thr Ile Gly Lys
           1   5

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       (7) INFORMATION FOR SEQ ID NO:6:

           (i) SEQUENCE CHARACTERISTICS:

30   (A) LENGTH: 13 amino acids

               (B) TYPE: amino acid

               (C) STRANDEDNESS: single
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               (D) TOPOLOGY: linear

           (ii) MOLECULE TYPE: peptide

40   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

       Thr Lys Gly Pro Gly Arg Val Ile Tyr Ala Thr Gly Gln
           1   5   10

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5   (8) INFORMATION FOR SEQ ID NO:7:

        (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 13 amino acids

10   (B) TYPE: amino acid

            (C) STRANDEDNESS: single

15   (D) TOPOLOGY: linear

        (ii) MOLECULE TYPE: peptide

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

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    His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr Lys Asn
        1   5   10

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